

REMARKS

In the Office Action mailed April 5, 2006, claims 2-5 and 14-23 were “objected to”; claim 8 was rejected under 35 U.S.C. 102(b) as being anticipated by Hasegawa (U.S. Patent No. 5,995,808); claims 10-12 were rejected under 35 U.S.C. 102(b) as being anticipated by Han (U.S. Patent Publication No. 2001/0017532); claims 1, 6 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Hasegawa in view of Hosoi (U.S. Patent Publication No. 2002/0039916); and claim 13 was rejected under 35 U.S.C. 103(a) as being unpatentable over Han in view of Hosoi. The foregoing objections and rejections are respectfully traversed.

Claim 14 has been cancelled without prejudice or disclaimer. Claims 1, 2, 8, 10 and 15 have been amended. Claims 1-13 and 15-23 are currently pending and under consideration. Reconsideration is respectfully requested.

Specifically, claim 1 has been amended to include some of the allowable subject matter of claim 2, and claim 14 has been cancelled and the features thereof have been incorporated into independent claim 10. In addition, claim 8 has been amended for clarification purposes only.

None of the foregoing references, individually or combined, discuss “a control unit comprises application programs and an operating system, and runs the application programs or controls the at least one function module, and communicates data lines and control signal lines with the at least one function module, and **converts potential levels of the data lines and control signal lines connected with the at least one function module to a predetermined potential level in response to the power cutoff signal (emphasis added)** and then generates a backup power supply enable signal to enable the backup power supply unit to supply power,” as recited in amended claim 1, for example.

Hasegawa discusses a radio selective call receiver such as a pager that displays a remaining time for retaining data stored in a memory of the receiver on its LCD after removing the battery (see Abstract). The radio selective call receiver includes a display and a detection means for detecting removal/insertion of a battery, count means for counting a time period elapsing from removal of a battery to insertion of a replacement batter detected by the detection means, memory means for storing a data retentive time allowed to retain data stored in a RAM after removing the battery, and control means for displaying a remaining time allowed for retaining the data stored in the RAM (see column 1, lines 44-54). The radio selective call receiver further includes a message protection power supply circuit for supplying backup power

for a predetermined time period to protect message data stored in the RAM during battery replacement (see column 2, lines 51-53). Hasegawa does not discuss the control means being able to “convert potential levels of data lines and control signal lines connected with a function module” as recited in amended claims 1 and 8, for example. Instead, in column 4, lines 26-30 pointed out by the Examiner, Hasegawa merely discusses a signal input/output going to and from the count means 6b such that when the user removes the battery, a transistor of the battery removal/insertion detection circuit 13 is switched from on to off and a signal reverses its logic to switch the power source for supplying power to the controlling circuits from a booster circuit to a message protection circuit.

Han discusses a battery changing method during call processing of a wireless phone without interrupting a talking path, the wireless phone having a supplementary battery and a main battery (see Abstract). If a mode set key requiring a battery change is inputted by a user, then electric power of the wireless phone is switched to the supplementary battery and a power saving mode is operated to transmit messages for maintaining the wireless link. It is then detected whether a key requesting a return to a normal mode is inputted during the power saving mode. When it is detected, the electric power of the wireless phone is switched back to the main battery and a normal mode is resumed.

Hosoi discusses a portable phone which protects stored contents of an internal memory when power supply from a cell is disconnected instantaneously (see paragraph [0001]). The portable phone includes a cell remaining power detection means detecting a remaining power of the cell and outputting a cell remaining power detection signal when the remaining power of the cell decreases to a predetermined value. A transfer means then transfers the stored contents of a volatile memory to a non-volatile memory, when the cell remaining power detection signal from the cell remaining power detection means is input to the transfer means (see paragraph [0026]). Hosoi is not related to supplying back up power to a mobile device. Nor does Hosoi discuss “converts potential levels of the data lines and control signal lines connected with the at least one function module (for example, a CDMA module), to a predetermined potential level in response to the power cutoff signal” as recited in claim 1 for example. Instead, Hosoi merely discusses saving stored contents of a portable phone by transferring the stored contents from a volatile memory to a non-volatile memory when the remaining power of a cell of the portable phone decreases to a predetermined value. Therefore, there is no motivation to combine Hasegawa with Hosoi.

In addition, the combination of Hasegawa and Hosoi fails to establish a prima facie case of obviousness over the present invention.

Accordingly, withdrawal of the objections and rejections is respectfully requested.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

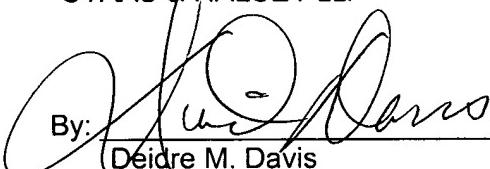
If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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